EFRE

# Ultrasound in infertility course

## EFRE ( Egyptian Foundation of Reproductive Medicine & Embryology)
## in collaboration with
## MEFS ( Middle East Fertility Society)
## A pre-congress course 29-30th October 2019
## National Training Institute- Cairo, Egypt.

### Overview

This is a two days course offers a comprehensive theoretical and practical review of the accurate sectional plan, assessment of the uterus, ovaries, fallopian tubes and adnexal lesions. The aim is to build on the existing sub-specialization programs and raise training standards internationally and promoting standards in clinical practice through the exchange of ideas, knowledge and experiences.

### Who Should Attend?

- All Trainees, specialists and Consultants in obstetrics and gynaecology.
- Those who are registered, or interested in assisted reproduction
- All clinicians involved in the diagnosis, management and counseling of uterine anomalies and antenatal high-risk obstetrics.

### Why to attend?

- There will be topics of interest for Advanced Gynecology ultrasound across the two days.
- There is dedicated hands on training sessions that will help improve the candidates skills
- The topics are designed to raise the ultrasound skills

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| **Course Coordinators:**<br>**Prof. Dalia El Haieg (Zagazig University)** | **Prof Rasha Kamel (Cairo University)** | |

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| **Prof Mona Abou El Ghar (Cairo University)**<br><br>**Course Faculty:**<br><br>**Prof. Ahmed El Sheikha (Cairo University)**<br><br>**Prof Adel Gamil (Zagazig University)**<br><br>**Prof Sherif Negm (Cairo University)** | **Associate Prof Rehab El Said (Alexandria University)**<br><br>**Associate Prof Somaya M Sadek ( Zagazig University)**<br><br>**Dr Hisham El Gammal ( Alexandria university)**<br><br>**Dr Rasha Abo Almagd ( Zagazig University)** | |

## Course Objectives and Philosophy:

a. a.To establish more understanding of uterine anatomy and anomalies It will include 2 D assessment of different lesions, uterine Fibroids, polyps and congenital Mullerian anomalies

b. b.Assessment of the fallopian tubes and tubal patency.

c. c.Principles of 3D and 4D ultrasound and how can you use them.

## Course Design

- The course duration is 2 days.
- The daily scenario includes lectures that covers the required topics, those are followed by 2 hours of hands on training and life demonstration on patients.
- The course design will allow for greater interactive learning on the day. Case-based discussions will be used to review advanced ultrasound techniques and common clinical dilemmas, as well as rare conditions.
- The lectures includes top quality multimedia for training including videos, pictures and diagrams illustrating the anatomy, anomalies and their appearance on ultrasound and gross pathological examination.
- The candidates will be divided into groups with an allocated trainer for each group who will be in charge of one to one hands on training.
- The candidates will go through a pre and post course questionnaire

## Study Materials:

The candidates will be provided with hand outs and C.D for the lectures, as well a theoretical book will be recommended for further readings, in addition they will be provided with the recommended internet sites for updating their medical knowledge.

## Course Venue:

The course will be held in the National Training institute in Cairo, Egypt.

## Materials Available for the Course:

A full multimedia lecture hall that is equipped with PC, projector and video projector. Around 8 training stations will be available for the hands on training. High definition ultrasound machines equipped with both trans-abdominal convex and trans-vaginal convex multi-frequency probes. The machines should have Colour and Pulsed Doppler, foetal echocardiography and 3D capabilities. Nursing staff will be provided to help in each station.

# Course layout

**Day 1: Tuesday 29 October 2019**

8.00-8.30 am: **Registration**
**8.30- 09.00am: Pretest and course introduction session**
Course Pretest.
Welcome and introduction to the course.

**09.00-10.30: Ultrasound principles and normal anatomy**
9:00-9:30 Normal anatomy of the female pelvis seen by TVS.
Prof Sherif Negm
9:30-10:00 Principles of Doppler Ultrasound as applied in Gynecology.
Dr Rasha Abo Almagd
10:00-10:30 Principles of 3D Ultrasound. Dr Hisham el Gammal

**10.30-11.00 live demo**
**11.00-11.30: Coffee break**

**11.30 -12.30: Evaluation of the adnexa**
11:30-12:00 Types and features of ovarian cysts. Dr Hisham El Gammal
12:00-12:30 Extra ovarian lesions. Prof Dalia El Haieg

**12.30-1.30: Early Pregnancy session**
12:30-1:00 Assessment of early pregnancy and miscarriage diagnosis.
Prof Ahmed El Sheikha
1:00 -1:30 Ectopic pregnancy as seen by US. Prof Ahmed El Sheikha

**1.30-2.30 Case discussion**
Dalia El Haieg, Ahmed El Sheikha , Hisham El Gammal.
1:30-2:00 Mapping of pelvic endometriosis Prof Dalia El Haieg
2:00-2:30 Just images- Mixed cases

**2:30-3:00: lunch break**

**3.00-5.00: Hands on training session on patients**
We will arrange 5 training stations where candidates will alternate on them and each covers a specific training target.Each station will have a dedicated trainer to train the candidates on the required objective.

**Day 2: Wednesday 30 October 2019**

**9.00-9.30 am:**
Summary of day 1 lectures

**09.30-10.30 Cycle monitoring**

9:30-10:00 Ultrasound assessment of ovarian reserve & tubal patency.
Prof Mona Aboulghar

10.00 – 10.30 am Ultrasound in ART including Monitoring and Complications.

Prof Mona Aboulghar 10.30-11.00: Live Demo

**11: 00 -11: 30 Coffee break**

**11.30- 12.30:: : The endometrium**

11:30-12:00 Endometrial pathology and cavitary lesions.
Ass. Prof: Rehab El Said

12:00-12-30. Sonohystrography. Prof Rasha kamel

1**2.30- 1.30: : Anomalies of the uterus**

12:30-1:00 Assessment of benign uterine lesion. AssProf Somaya Sadek

1:00-1:30 Decoding uterine lesions: Role of color Doppler flow mapping
Prof Adel Gamil

**1:30-2:30 Case discussion**
Dalia El Haieg- Rehab El Said- Somaya Sadek
1:30 -2:00 Mullerinan anomalies Ass. Prof: Rehab El Said
2:00- 2:30 Just images-mixed cases. Prof Dalia El Haieg

**2.30:-3:00 lunch break**

**3**:00- 5:00: **Hands on training session on patients**
We will arrange 5 training stations where candidates will alternate on them and each covers a specific training target
Each station will have a dedicated trainer to train the candidates on the required objective

5.00-5.15: **Post Test and closing remarks.**